

Application No.: 10/828451

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Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1-13 (Canceled)

14. (Previously Presented) A method of depositing an antisoiling composition on an antireflective coated ophthalmic lens comprising vaporizing an antisoiling composition and depositing the antisoiling composition onto an antireflective coated ophthalmic lens, wherein the antisoiling composition is selected from the group consisting of:

$C_nF_{2n+1}O(CF(CF_3)CF_2O)_zCF(CF_3)C(O)NHC_xH_{2x}Si(L)_3$ wherein n is 1 to 4, z is 3 to about 15 and x is 1 to about 10 and L is selected from the group consisting of -OR and -NR'₂ wherein R is an alkyl group containing 1 to about 10 carbon atoms and R' is selected from the group consisting of H and an alkyl group containing 1 to about 10 carbon atoms;

$X-CF(CF_3)(OCF_2CF(CF_3))_mO(C_nF_{2n})O(CF(CF_3)CF_2O)_qCF(CF_3)-X$, wherein m is an integer of 0 to about 40, n is an integer of 2 to 4, q is an integer of 0 to about 40, wherein both m and q are not equal to 0, and X is $-C(O)NH(CH_2)_qSi(L)_3$ wherein q is 1 to about 10 and L is selected from the group consisting of -OR and -NR'₂ wherein R is an alkyl group containing 1 to about 10 carbon atoms and R' is selected from the group consisting of H and an alkyl group containing 1 to about 10 carbon atoms;

$XCF_2O(CF_2O)_m(C_2F_4O)_pCF_2X$ wherein m is 1 to about 20, p is 1 to about 20 and X is $-C(O)NH(CH_2)_qSi(L)_3$ wherein q is 1 to about 10 and L is selected from the group consisting of -OR and -NR'₂ wherein R is an alkyl group containing 1 to about 10 carbon atoms and R' is selected from the group consisting of H and an alkyl group containing 1 to about 10 carbon atoms; and

combinations thereof,

wherein the average molecular weight of the antisoiling composition is about 800 to about 35006000 and wherein the antisoiling composition is placed in a first chamber and the antireflective coated ophthalmic lens is placed in a second chamber connected to the first

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chamber such that vaporized antisoiling composition from the first chamber can deposit on the antireflective coated ophthalmic lens in the second chamber.

15. (Original) A method according to claim 14 wherein the first chamber is heated, the second chamber remains at ambient temperature, and the pressure in both the first and second chamber is below atmospheric pressure.

16-20 (Canceled)

21. (New) A method according to claim 14 wherein vaporizing takes place at pressures less than 0.01 mmHg.

22. (New) A method according to claim 14 wherein vaporizing takes place at temperatures of at least 80 °C.

23. (New) A method according to claim 14 wherein the antisoiling composition has an average molecular weight of about 900 to 4000.

24. (New) A method according to claim 14 wherein the antisoiling composition is selected from the group consisting of:

$C_3F_7O(CF(CF_3)CF_2O)_zCF(CF_3)C(O)NHC_3H_6Si(OCH_3)_3$, wherein z is 3 to about 15;

$X-CF(CF_3)(OCF_2CF(CF_3))_mO(C_nF_{2n})O(CF(CF_3)CF_2O)_qCF(CF_3)-X$,

wherein m is an integer of 0 to about 40, n is an integer of 2 to 4, q is an integer of 0 to about 40, wherein both m and q are not equal to 0 and X is $-C(O)NH(CH_2)_3Si(OCH_3)_3$;

$X-CF_2O(CF_2O)_m(C_2F_4O)_pCF_2-X$ wherein m is 1 to 20, p is 1 to 20 and X is $-C(O)NH(CH_2)_3Si(OCH_3)_3$; and combinations thereof.

25. (New) A method according to claim 14 wherein the antisoiling composition is $C_3F_7O(CF(CF_3)CF_2O)_zCF(CF_3)C(O)NHC_3H_6Si(OCH_3)_3$ and wherein z is 3 to about 15.

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26. (New) A method according to claim 14 wherein the antisoiling composition deposited onto the antireflective coated ophthalmic lens has a thickness of 20 to 500 angstroms.
27. (New) A method according to claim 14 wherein the antisoiling composition deposited onto the antireflective coated ophthalmic lens forms a monolayer.
28. (New) A method according to claim 14 wherein vaporizing the antisoiling composition comprises placing the antisoiling composition into the first chamber, heating the first chamber containing the antisoiling composition, and decreasing the pressure in the chamber.
29. (New) A method according to claim 14 wherein the antireflective ophthalmic lens comprises a polycarbonate resin and an antireflective coating on a surface of the polycarbonate resin.
30. (New) A method according to claim 29 wherein the antireflective coating is selected from the group consisting of a metal oxide, a metal fluoride, a metal nitride, and a metal sulfide.
31. (New) A method according to claim 30 wherein the antireflective coating comprises silicon dioxide.
32. (New) A method according to claim 14 further comprising depositing multiple antireflective layers onto the surface of the transparent substrate before vapor depositing the antisoiling layer.